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Pages: 2/2

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Randolph Michael Forlenza

Serial No.: 09/549,966

Filed: April 14, 2000

For: Extension of Browser Web Page  
Content Labels and Password Checking  
to Communications Protocols

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Attorney Docket No. AUS000072US1

Examiner: Tam V. Nguyen

Art Unit: 2172

DECLARATION UNDER 37 C.F.R. § 1.131

Commissioner for Patents  
Washington, D.C. 20231

Sir:

We, Randolph Michael Forlenza and Miguel Sang, Applicants in the above-identified patent application, jointly invented the subject matter prior to December 30, 1999. The invention is evidenced by the attached International Business Machines Corporation invention disclosure form, date of the disclosure has been blocked out but was prior to December 30, 1999; which was the subject document used as the basis for the present pending application.

We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the Application or any patent issued thereon.

2-2-2004  
Date

Randolph Michael Forlenza  
Randolph Michael Forlenza

Date

Miguel Sang

Doc ID 132123

FEB-02-2004(MON) 11:51

VIVETTE CORP.

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P. 002/002

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Date

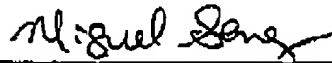
2/2/04

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Date

Doc ID 132123


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Randolph Michael Forlenza

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Miguel Sang

61US000072US1

	<b>Disclosure AUSB-1999-1418</b>
	Created By: Randy Forlenza Created On: [REDACTED] Last Modified By: Randy Forlenza Last Modified On: [REDACTED]
	*** IBM Confidential ***

Required fields are marked with the asterisk (\*) and must be filled in to complete this form.

### Summary

Status	Under Evaluation
Processing Location	AUS
Functional Area	71 - NCB - JAVA & BROWSER (S. Hauer)
Attorney/Patent Professional	Martyn Dawkins/Austin/IBM
IDT Team	Lila Hays/Austin/Contr/IBM
Submitted Date	[REDACTED]
Owning Division	NCS
PVT Score	To calculate a PVT score, use the 'Calculate PVT' button.
Lab	
Technology Code	
Incentive Program	

### Inventors with Lotus Notes IDs

Inventors: Randy Forlenza/Austin/IBM, Miguel Seng/Austin/IBM

Inventor Name > denotes primary contact	Inventor Serial	Div/Dept	Manager Serial	Manager Name
Forlenza, R.M. (Randy)	611879	88/CAW/A	141438	Knaeb, R.D. (Ken)
Seng, M. (Miguel)	326399	96/VQJA	986731	Hauer, S.C. (Steve)

### Inventors without Lotus Notes IDs

#### IDT Selection

IDT Team: Lila Hays/Austin/Contr/IBM	Attorney/Patent Professional: Martyn Dawkins/Austin/IBM
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Response Due to IPAL: [REDACTED]

### Main Idea

#### \*Title of disclosure (in English)

Extension of Browser Web Page Content Labels and Password Checking to Communications Protocols

#### \*Idea of disclosure

1. Describe your invention, stating the problem solved (if appropriate), and indicating the advantages of using the invention.

This disclosure describes a method to allow privileged users, via password assignment, to further regulate, control, and restrict non-privileged user's ability to access, import, and export data external to system.

There currently exists the ability for browsers to regulate, control, and restrict the browsing of web page

## Extension of Browser Web Page Content Labels and Password Checking to Communication Protocols - continued

contents according to classifications contained in the content labels embedded in web pages. Privileged users assign passwords to certain content label categories and non-privileged users must supply the correct password to view a web page containing material encompassed by a category. However, it is possible for users to bypass the intent of the content restrictions when accessing non-web page data that does not contain content labels (e.g. binary files through the FTP protocol). This exposure can effectively render existing browser content control methodologies inoperable.

This proposal extends the concept of web page content labels to include all server-based data files. It also extends the content label password checking mechanism utilized by browsers to all communication protocols utilized by browsers.

This disclosure proposes to:

1. extend web page content labels to non-web page data such as data files and modules
2. extend the content label extraction methodology to all communication protocols such as:
  - HTTP
  - FTP
  - MAIL
  - FILE
  - etc.
3. extend content label password checking against existing browser access control lists to all communication protocols

A privileged user is provided a browser-based facility that allows privileged users to regulate the accessibility of content label categories according to passwords assigned by the privileged user. Just as privileged users are currently able to regulate, via password assignment, the permissible web page activities of non-privileged users, they will now be able to achieve the same regulation of non-web page material.

2. How does the invention solve the problem or achieve an advantage, (a description of "the invention", including figures inline as appropriate)?

This invention extends the password protection and control of web pages to all data accessed by a system via a browser.

3. If the same advantage or problem has been identified by others (inside/outside IBM), how have those others solved it and does your solution differ and why is it better?

The mechanism exists for web pages. It is now being extended to include non-web page data

4. If the invention is implemented in a product or prototype, include technical details, purpose, disclosure details to others and the date of that implementation.

N/A

\*Critical Questions ( Questions 1 - 7 must be answered)

**\*Question 1**

On what date was the invention workable? ~~answer~~ Please format the date as MM/DD/YYYY (Workable means i.e. when you know that your design will solve the problem)

**\*Question 2**

Is there any planned or actual publication or disclosure of your invention to anyone outside IBM?

☐ Yes

☒ No

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Extension of Browser Web Page, Port Labels and Password Checking to Comments \* Protocols - continued

If yes, Enter the name of each publication or patent and the date published below.	
Publication/Patent:	
Date Published or issued:	
Are you aware of any publications, products or patents that relate to this invention?	<input type="radio"/> Yes <input checked="" type="radio"/> No
If yes, Enter the name of each publication or patent and the date published below.	
Publication/Patent:	
Date Published or issued:	

*Question 3	<input type="radio"/> Yes <input checked="" type="radio"/> No
Has the subject matter of the invention or a product incorporating the invention been sold, used internally in manufacturing, announced for sale, or included in a proposal?	
Is a sale, use in manufacturing, product announcement, or proposal planned?	
<input type="radio"/> Yes <input checked="" type="radio"/> No	
If Yes, identify the product if known and indicate the date or planned date of sale, announcements, or proposal and to whom the sale, announcement or proposal has been or will be made.	
Product:	
Version/Release:	
Code Name:	
Date:	
To Whom:	
If more than one, use cut and paste and append as necessary in the field provided.	

*Question 4	<input type="radio"/> Yes <input checked="" type="radio"/> No
Was the subject matter of your invention or a product incorporating your invention used in public, e.g., outside IBM or in the presence of non-IBMers?	
If yes, give a date. Please format the date as MM/DD/YYYY	

*Question 5	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you ever discussed your invention with others not employed at IBM?	
If yes, identify individuals and date discussed. Fill in the text area with the following information, the names of the individuals, the employer, date discussed, under CDA, and CDA #.	

*Question 6	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not sure
Was the invention, in any way, started or developed under a government contract or project?	
If Yes, enter the contract number	

*Question 7	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not Sure
Was the invention made in the course of any alliance, joint development or other contract activities?	
If Yes, enter the following: Name of Alliance, Contractor or Joint Developer	
Contract ID number	
Relationship contact name	
Relationship contact E-mail	
Relationship contact phone	

*Question 8	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you submitted, or are you aware of, any related disclosure submission?	

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Extension of Browser Web Page, Email Labels and Password Checking in Community a Protocol

If Yes, please provide the title and docket or disclosure number below:

**Question 9**

What type of companies do you expect to compete with inventions of this type? Check all that apply:

- ☐ Manufacturers of enterprise servers
- ☐ Manufacturers of entry servers
- ☐ Manufacturers of workstations
- ☐ Manufacturers of PC's
- ☐ Non-computer manufacturers
- ☒ Developers of operating systems
- ☒ Developers of networking software
- ☒ Developers of application software
- ☒ Integrated solution providers
- ☐ Service providers
- ☐ Other (Please specify below)

**Patent Value Tool (Optional - this may be used by the inventor and attorney to assist with the evaluation)**

(The Patent Value tool can be used by you or the evaluation team to determine the potential licensing value of your invention.)

The Patent Value Tool has not yet been used to calculate a score.

**Post Disclosure Text & Drawings**

Enter any additional information relating to this disclosure below:

(Form Revised 12/17/97)

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